

INTERNATIONAL SEARCH REPORT

Intern:	Application No
PCT	13/03618

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 586 149 A (HOLLENBECK NEAL W ET AL) 17 December 1996 (1996-12-17)	1,7
A	column 2, line 3 - line 13 column 2, line 61 -column 4, line 24; figure 3 column 5, line 45 - line 53 ---	2-6
A	WO 01 58068 A (ERICSSON TELEFON AB L M ;SVENSSON LARS (SE); LINDKVIST HANS (SE)) 9 August 2001 (2001-08-09) * Abstract * page 3, line 7 - line 22 ---	1-7
A	US 5 649 160 A (CARRY ALAN G ET AL) 15 July 1997 (1997-07-15) * Abstract * -----	1-7

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

19 December 2003

Date of mailing of the International search report

08/01/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/03618

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5586149	A	17-12-1996	EP WO	0744099 A1 9618243 A1		27-11-1996 13-06-1996
WO 0158068	A	09-08-2001	AU WO EP	4057501 A 0158068 A1 1254531 A1		14-08-2001 09-08-2001 06-11-2002
US 5649160	A	15-07-1997	AU WO	5563296 A 9637978 A1		11-12-1996 28-11-1996